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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/214,708	01/11/1999	MITSUSHI ITANO	XI/P6217USO 8306		
881	31 7590 07/20/2005		EXAMINER		
STITES & HARBISON PLLC 1199 NORTH FAIRFAX STREET			PERRIN, JOSEPH L		
SUITE 900	TAIRTAA STREET		ART UNIT	PAPER NUMBER	
ALEXANDRIA, VA 22314			1746		

DATE MAILED: 07/20/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Advisory Action Before the Filing of an Appeal Brief

Application No.	Applicant(s)	
09/214,708	0/214,708 ITANO, MITSUSHI	
Examiner	Art Unit	
Joseph L. Perrin, Ph.D.	1746	

Delote the I fillig of all Appeal Brief	Examiner	Art Unit				
	Joseph L. Perrin, Ph.D.	1746				
The MAILING DATE of this communication appe	ears on the cover sheet with the c	orrespondence add	ress			
THE REPLY FILED 08 July 2005 FAILS TO PLACE THIS APP		<u>-</u>				
1. The reply was filed after a final rejection, but prior to or or this application, applicant must timely file one of the follow places the application in condition for allowance; (2) a Not a Request for Continued Examination (RCE) in compliant time periods:	n the same day as filing a Notice of wing replies: (1) an amendment, affortice of Appeal (with appeal fee) in one with 37 CFR 1.114. The reply much	Appeal. To avoid aba idavit, or other evider compliance with 37 C	nce, which FR 41.31; or (3)			
b) The period for reply expires on: (1) the mailing date of this A	The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In					
no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection. Examiner Note: If box 1 is checked, check either box (a) or (b). ONLY CHECK BOX (b) WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).						
Extensions of time may be obtained under 37 CFR 1.136(a). The date have been filed is the date for purposes of determining the period of exunder 37 CFR 1.17(a) is calculated from: (1) the expiration date of the set forth in (b) above, if checked. Any reply received by the Office later may reduce any earned patent term adjustment. See 37 CFR 1.704(b) NOTICE OF APPEAL	on which the petition under 37 CFR 1.1 tension and the corresponding amount shortened statutory period for reply origing than three months after the mailing date.	of the fee. The approprinally set in the final Office	ate extension fee ce action; or (2) as			
2. The Notice of Appeal was filed on A brief in comp filing the Notice of Appeal (37 CFR 41.37(a)), or any exte a Notice of Appeal has been filed, any reply must be filed	nsion thereof (37 CFR 41.37(e)), to	avoid dismissal of th	ns of the date of e appeal. Since			
AMENDMENTS						
3. The proposed amendment(s) filed after a final rejection, (a) They raise new issues that would require further co (b) They raise the issue of new matter (see NOTE belo (c) They are not deemed to place the application in belo 	nsideration and/or search (see NO ⁻ ow);	TE below);				
appeal; and/or (d) They present additional claims without canceling a		ected claims.				
NOTE: (See 37 CFR 1.116 and 41.33(a)).						
1. The amendments are not in compliance with 37 CFR 1.121. See attached Notice of Non-Compliant Amendment (PTOL-324). 5. Applicant's reply has overcome the following rejection(s):						
 Newly proposed or amended claim(s) would be al non-allowable claim(s). 		-				
7. For purposes of appeal, the proposed amendment(s): a) how the new or amended claims would be rejected is protected that the status of the claim(s) is (or will be) as follows: Claim(s) allowed: Claim(s) objected to:		l be entered and an e	xplanation of			
Claim(s) objected to: Claim(s) rejected: Claim(s) withdrawn from consideration:						
AFFIDAVIT OR OTHER EVIDENCE						
B. The affidavit or other evidence filed after a final action, but because applicant failed to provide a showing of good and was not earlier presented. See 37 CFR 1.116(e).	t before or on the date of filing a No d sufficient reasons why the affidav	otice of Appeal will <u>no</u> it or other evidence is	t be entered necessary and			
The affidavit or other evidence filed after the date of filing entered because the affidavit or other evidence failed to o showing a good and sufficient reasons why it is necessary	vercome <u>all</u> rejections under appea	al and/or appellant fail	s to provide a			
10. The affidavit or other evidence is entered. An explanation REQUEST FOR RECONSIDERATION/OTHER						
1. The request for reconsideration has been considered bu See Continuation Sheet.	t does NOT place the application in	condition for allowar	ce because:			
2. Note the attached Information Disclosure Statement(s). 3. Other:	(PTO/SB/08 or PTO-1449) Paper N	0(s)	7			
		Show	_			
		Joseph L. Perrin, Pl Primary Examiner Art Unit: 1746	n.D.			

Continuation of 11. does NOT place the application in condition for allowance because: applicant's arguments are not persuasive.

In response to applicant's arguments that claims 16-17 should not be withdrawn from consideration and should be examined in the present application, it is noted that applicant has failed to provide sufficient showing of how or why the original Election of Species is improper or why the non-elected species should now be examined when the original Election of Species was deemed proper as evidenced by applicant's failure to traverse the Election of Species upon election of the species C3F6 (claim 15) and non-election of species C3F6O (epoxy) & C3F6O. The Election of Species issued 12 September 2000 has not been withdrawn and has been maintained throughout prosecution. Moreover, in the non-final Office action of 31 August 2004, the Examiner clearly indicated the withdrawal of the non-elected species of claims 16-17. It is further noted that Applicant's response of 29 December 2004 is silent with respect to the non-elected species of claims 16-17. Thus, since the record is clear of the original Election of Species along with applicant's election, the original Election of Species is still deemed proper.

It is noted that applicant's submission of the ISAKI et al. document has not been entered because such document requires further consideration and applicant has failed to provide a showing of good and sufficient reasons why they are necessary and why they were not presented earlier. However, in order to advance prosecution, the Examiner has reviewed the ISAKI et al. abstract (English translation not provided by applicant) with regard to secondary considerations.

In response to applicant's arguments that the ISAKI et al. document provides evidence for unexpected results, this is not persuasive because there is nothing in ISAKI et al. that provides any evidence (i.e. comparative data) to negate the obviousness rejection of GABRIC in view of YANAGIDA or SONY CORP. As clearly indicated in the final Office action, GABRIC is cited for the teaching of plasma etching/cleaning of chambers with fluorinated carbons, for instance, CF4 and C2F6. Thus, GABRIC teaches each and every limitation of applicant's claimed invention with the exception of using an unsaturated fluorocarbon (i.e. C3F6) instead of a saturated fluorocarbon (i.e. C2F6). Both YANAGIDA and SONY CORP, are cited for the teaching that it is known in the semiconductor cleaning art to use unsaturated fluorocarbons (i.e. C3F6) in place of saturated fluorocarbons due to the well-known dissociation of the double bond in unsaturated fluorocarbons (i.e. C3F6) which produces a higher etching rate, thus a more efficient cleaning. The position is taken that a person of ordinary skill in the art would immediately recognize that using an unsaturated fluorocarbon (i.e. C3F6) in place of a saturated fluorocarbon (i.e. C2F6) would achieve a higher etch rate (more efficient cleaning). In view of such teachings, there is nothing unexpected in achieving a higher etching rate with an unsaturated fluorocarbon (C3F6) in comparison with a saturated fluorocarbon (C2F6). Moreover, the position is taken that one of ordinary skill in the art at the time the invention was made would have a reasonable expectation of success in using an unsaturated fluorocarbon (C3F6) in place of a saturated fluorocarbon (C2F6) to provide a higher etch rate in chamber cleaning, thus providing a more efficient cleaning system. Accordingly, the rejection is maintained for these reasons and reasons of record.